



b' 0.00 ARTHUR KILL CHANNEL -10.00-20.00-50.00─ 6 POSSIBLE PIPELINES FOR REMOVAL BY CONTRACTOR DEPTH APPROX. -41 TO -47 FEET MLW AT CHANNEL CENTER APPROX. TOP OF ROCK OVERBURDEN LIKELY TO CONSIST OF SILT, FINE SAND, AND/OR GRAVEL -60.00-70.000.00 200.00 400.00 1800.00 600.00 800.00 1000.00 1200.00 1400.00 1600.00

SECTION b'-b

HORIZ. SCALE: 1"=100'-0"

VERT. SCALE: 1"=10'-0"

- 1. HORIZONTAL DATUM IS BASED ON THE NEW JERSEY STATE PLANE FEET NORTH AMERICAN DATUM OF 1983 (NAD 83).
- 2. ALL CONTOURS ARE IN FEET RELATIVE TO U.S. ARMY CORPS OF ENGINEERS MEAN LOW WATER DATUM, WHICH IS 2.33 FEET BELOW NGVD 29.
- 3. BATHYMETRIC CONTOURS DEVELOPED FROM U.S. ARMY CORPS OF ENGINEERS HYDROGRAPHIC SURVEY DRAWING FILE No. 1245A, DATED JUNE 19, 2003. AND CAN ONLY REFLECT BOTTOM CONDITIONS AT TIME OF SURVEY.
- 4. DIVE LOCATIONS NUMBERED DL1 THROUGH DL12 REPRESENT LOCATIONS OF UNDERWATER INVESTIGATION PERFORMED BY A U.S. ARMY CORPS OF ENGINEERS CONTRACTOR IN AUGUST AND SEPTEMBER 2004.
- 5. UTILITY REMOVAL AREAS "A" AND "B" REPRESENT GROUPING OF PIPELINES THAT ARE SIMILAR IN LOCATION, ORIENTATION, AND/OR CONSTRUCTION, AND ARE TO BE REMOVED UNDER THIS CONTRACT.
- 6. UTILITY DEBRIS REMOVAL AREA "C" REPRESENTS A GROUPING OF PIPE DEBRIS THAT IS IN A SIMILAR LOCATION, ORIENTATION, AND/OR CONSTRUCTION, AND IS TO BE REMOVED.
- 7. INTERPRETATIONS OF CROSS-SECTIONS a'-a, b'-b, AND c'-c HAVE BEEN DERIVED FROM HYDROGRAPHIC SURVEY DATA, SIDESCAN SONAR IMAGERY, MARINE MAGNETOMETER DATA, SHALLOW SEISMIC REFLECTION DATA, DIVER OBSERVATIONS, AND HISTORICAL DOCUMENTATION.
- 8. SECTIONS a'-a, b'-b, AND c'-c SHOULD BE ASSUMED BY THE CONTRACTOR TO BE APPROXIMATE PROJECTIONS THAT ARE REPRESENTATIVE OF THE GENERAL CONDITIONS OF THE EXTENTS DEFINED BY AREAS A, B, AND C. MULTIPLE PIPELINES IN EACH CROSSING AREA ARE LIKELY TO OCCUR AT DIFFERENT ELEVATIONS AND X-Y LOCATIONS WITHIN EACH CROSSING AREA AS INDICATED IN SECTIONS a'-a, b'-b, AND c'-c.
- 9. THE MAGNETOMETER PLAN ON DRAWING C-406 IS A CONTOUR MAP OF DATA COLLECTED JULY 2004 BY A U.S. ARMY CORPS OF ENGINEERS CONTRACTOR. DENSELY SPACED CONTOUR LINES REPRESENT DISTORTIONS IN THE LOCAL MAGNETIC FIELD THAT ARE CAUSED BY FERROUS OBJECTS SUCH AS STEEL OR WROUGHT IRON PIPELINES.
- 10. THE SIDESCAN SONAR IMAGE PLAN ON DRAWING C-406 IS A MOSAIC OF SIDESCAN SONAR IMAGERY COLLECTED APRIL-JUNE 2004 BY A U.S. ARMY CORPS OF ENGINEERS CONTRACTOR. THE IMAGERY IS PRESENTED AS ILLUMINATED FROM THE SOUTH SO THAT AREAS OF HIGH REFLECTIVITY ARE BRIGHT AND AREAS OF LOW REFLECTIVITY ARE DARK.
- 11. LOCATIONS OF KNOWN PIPELINES TO BE REMOVED HAVE BEEN ASCERTAINED BY DIVERS UTILIZING PLUMB LINES AND DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS).
- 12. PIPELINES OBSERVED BY DIVERS AND LISTED IN TABLE 1 HAVE BEEN ASSOCIATED WITH KNOWN HISTORIC PIPELINES BASED ON INTERPRETATIONS THAT DRAW UPON APPROXIMATE LOCATION, SIZE, AND CONDITION ON THE LINES.
- 13. PREDICTIONS AS TO THE HISTORY OR CONTAINED PRODUCT ARE ONLY ESTIMATES. THE CONTRACTOR MUST EXERCISE CAUTION WHEN HANDLING ANY LINE FOR REMOVAL IN ORDER TO PREVENT SPILLS AND/OR DAMAGE TO IN-SERVICE UTILITIES OR STRUCTURES.

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			TABLE 1					
			PIPELINE INFORMA	ATION				
PIPELINE	ASSUMED ORIGIN	REFERENCE DRAWING/DOCUMENTS	PIPELINE TYPE (PIPELINE DIAMETERS ARE SHOWN AS NOMINAL)	FIELD OBSERVATIONS OF NOTE	CAPPED/OPEN/INTACT	PRODUCT PRESENT?	APPROXIMATE LENGTH OF PIPE FOR REMOVAL	APPROX. BARE PIPE WEIGHT (TONS)
1	TIDEWATER/WILLIAMS/MCI	FAX LETTER FROM FDNY	STEEL; 8" DIAMETER; FIBERGLASS COATING	CAPPED PIPELINE	CLEANED, FLUSHED, CAPPED	NO	1560'	34
2	TIDEWATER/WILLIAMS/MCI	FAX LETTER FROM FDNY	STEEL; 8" DIAMETER; FIBERGLASS COATING	CAPPED PIPELINE	CLEANED, FLUSHED, CAPPED	NO	1560'	34
3	CONOCOPHILLIPS/EXXON	EXXON COMPANY INTER-REFINERY PIPELINE ROUTES.CAL	STEEL; 12" DIAMETER; 0.500" W.T.; API-5L GRADE B	PIPELINE OBSERVED ON SOUTH SLOPE OF AK MAY HAVE BEEN OBSERVED ON NORTH SLOPE	CUT/OPEN	UNLIKELY	1560'	51
4	CONOCOPHILLIPS/EXXON	EXXON COMPANY INTER-REFINERY PIPELINE ROUTES.CAL	STEEL; 8" DIAMETER; 0.500" W.T.;  API-5L GRADE B;  POSSIBLE 3GGA PLASTICIZED COATING	PIPELINE OBSERVED ON SOUTH SLOPE OF AK POSSIBLY OBSERVED ON NORTH SLOPE	CUT/OPEN	UNLIKELY	1560'	34
5	CONOCOPHILLIPS/EXXON	EXXON COMPANY INTER-REFINERY PIPELINE ROUTES.CAL	STEEL; 8" DIAMETER; 0.500" W.T.;  API-5L GRADE B;  POSSIBLE 3GGA PLASTICIZED COATING	PIPELINE NOT OBSERVED/INCONCLUSIVE	CUT/OPEN?	UNLIKELY	1560'	34
6	?-ESSO/STANDARD-?	EASEMENT?	STEEL; 8" DIAMETER; NO FURTHER INFORMATION	PIPELINE OBSERVED ON NORTH SLOPE OF AK NOT ON SOUTH SLOPE	INTACT	POSSIBLE	1560'	34

TABLE 2						
	LOCATIONS OF KNOWN PIPELINES TO BE REMOVED					
DIVE LOCATION	PIPELINE	PELINE LOCATION CO				
DL5	1	ENTERING MUDLINE	N 660082/E 581760			
DL5	1	APPROX. 5' ABOVE MUDLINE	N 660064/E 581739			
DL5	2	ENTERING MUDLINE	N 660082/E 581759			
DL5	2	APPROX. 6' ABOVE MUDLINE	N 660064/E 581739			
DL5	3	ENTERING MUDLINE	N 660083/E 581757			
DL5	3	APPROX. 2' ABOVE MUDLINE	N 660075/E 581747			
DL5	4	ENTERING MUDLINE	N 660103/E 581781			
DL5	4	APPROX. 1' ABOVE MUDLINE	N 660099/E 581777			
DL6	1	ENTERING MUDLINE	N 661069/E 582664			
DL6	1	APPROX. 4' ABOVE MUDLINE	N 661078/E 582679			
DL6	2	ENTERING MUDLINE	N 661080/E 582664			
DL6	2	APPROX. 4' ABOVE MUDLINE	N 661112/E 582711			
DL6	3	ENTERING MUDLINE	N 661080/E 582668			
DL6	3	APPROX. 3' ABOVE MUDLINE	N 661115/E 582708			
DL6	6	ENTERING MUDLINE	N 661163/E 582778			
DL6	6	ENTERING MUDLINE	N 661209/E 582882			

TABLE 3					
UTILITY REMOVAL AREA "B" BOUNDARY					
NORTHING	EASTING				
661203	582753				
661203	582843				
661092	582758				
661092	582709				
660059	581778				

581710

660059